										us	-439063	18 E sam	ples vs (Claim- I	of this app	olication							e.G	e.L	. A ^z	003/2/14
US-4,390.	638 E	* amples		4	5	6	7	а	9	10	- 11	12	13	14	15	16	17	18	19	20	21	22	$\frac{D}{23}$	32.1	25	Batch
2000	3 20	17.75	9.10		12 95	10 25	-	7.85	11.45	12 50		_	11 35	11.35	7.75		11 20		11.25	9 80		6.90		11 25	1140	11.25
B2O3	34 80		2160		25 55			29.50						25 40	28 60	28,25	25 50		24.00		25.45	18 60	26.30	21 10	23 65	24.00
AIZOJ						5 10																				
GeO2																								6.35		
P205		1.80		1.30	4.75		7.10	145								3.40	1 45	1 45	3.10	075	2 50	12 06	2.30	1.40	1.45	3.10 0.70
L:20 Na20	0.70	3 15		12.10	9.15	3 00	2 30	2.90	3 10	<u>1 50</u>	1,40	2.90 3.00	5 90	1 40 3 00	4.45			3 00	4.50	3.10	3 15	307		3 00	3 00	4.50
K20	6 50		17.15			4.60	4 65	4 40	4 75	4 70	4 40		4 50	4 50	4.45 6.70	4.50		4 50	4.55	700	4.75	2.33		4.55	4 60	4,55
MgO	3 75		5 45	5 85	5 00	5 95			14 25	0 50	5 70	5 90	3 85	5 BO	3.85	3.90	5 95	4 40	2 90	6 00	7.15	6 99	6.15	5 90	6.95	2.90
CaO	11.90		1700		14.90	16 50	16 00	19 60	7 05	24.75		11.00	8 70	14.70	15.20	14.90	18 65	15 05	16.30	15.30	14 20	15 98	21.35	15 00	24.50	10,30
SrO											12.10														·	
BaO				2 00	2 15	2 00	2 00	3 60	2 05			16.60	1460				100			200		2 02	5.10	1.95		
ZnO		2 05	1.85		2.25	2.00			Ku2	0.60	1.90			1.95 9.60					***********							
1.203	19 88	7.50	7.30	7.90		8 00	8 10	13 70	8 20	6 55	765		5 20			16.25		7 95	6.60	B 10		8 07	8.30	7.90	6.10	6.60
Y203		1												3 60	14.85		3.70									
Gd2O1																	3 00									······
Yb2O3		ļ				7 80			8 05	7 95	7.50	10.20	7 60	7,15	7,90	8.70	3 95	9 75	10.55	12.90	9 20	7 92	5 10	7.75	6 30	9.00
ZrO2	7.80 5.70		9.00	8.70 6.00	8.90 6.90		7.95	6.35 2.90	7 00		5 80	6 00	5 90		4.40	3.70		600		6.15	3 10			6 00	6 05	1,65
Nb2O5	3.70		6 00	6 35	7.50				6.80		6 55	6 60	6 25		6.30				2.60		6.75	6 45	5 40		6 00	2.60
WO3					1													9.70								
Ta2O5		I																ļ	12.85							12.85
SnO2				100.00	100.00	100.00	100 00	100.00	100.00	100 00	100 00	100 00	100.00	100 00	100 00	100.00	100.00	100 00	99.90	100.00	100 00	99 67	100.00	100 00	100 00	100.00
total	1 6990	100 00	1.6920				1.6949			1 7005				1.7064	1,7044		1,7013			1.6990		1.7049		1,7048		
nd V d	40.50										40.00			37.10	40 00	41.20			37.90				42.10		41.00	
sc	3 30			3.16		3.15			3.17	3.12	3 30	3.29	3.26	3 25	3.18	3.27	3.19	3.22	· 3.26	3.12	3.16	3.17	3.13	3.27	3.15	
Compariso														0 - 20	1 20.00	20.74	1 20 70	37.60	38.35	38 70	39.10	37.56	40 05	33,75	35 05	38.35
Si+B+P	38.00	38 15	30.70	34.80	43.25. ×	33.05	38.50	38 80	37 25 ×	38 30	36 20	37 60	37.50	36 /3.	36.35 ×	39.75	36.70	37.9U	70.75	30.10	39.10	31.30	× ×		× ×	× × ×
\vdash	34 80	18 60	2160	24 00	25 55	22 80		29.50	25 80	25 80	25 00	26 00	26 15	25 40	28.60	28.25	25 50	26 00	24.00	26 45	25.45	18 50	26.30	21.10	23 65	24.00
S.	. 37.00.	, 10 00.	*****	× ×	1.5777.	× ×	× ×	× ×	A1.	77,11	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Ti+La+Z++N	37 08	28 80	2785	28 95	23 30	28 35	28 95	29.10	30 05	26 55	2750	22 BO	24 95	22.30	33,45	32.50	27.75	34.00	32.60	27.15	20.95	29 00	25.05	28 05	24 45	32.70
6-1a-W-Y	×	×	×	×	×	×_		_ X	×		×	×	_ ×	×	×	×	×	× 0.75	10.55	12.90	11,10	7,92	5.10	7.75	6.30	9.00
Τi	7.80	8 15	9.00	8 70	8.90	7.80 ×	7 95 ×	635	8.05 ×	7 9 5	7 50 ×	10 20 ×	7.60	7,15	7.90	8.70	3.95	9.75 ×	10.55	12.90	11,10	7.92	5.10 ×	,,,,	8.30	× 3,00
-	5,70	6.30	5.55	6 00	6 90	6.00	615	2 90	700	6.10	5.80	600	5 90	5.80	4.40	3.70	7.60	6.00	0.00	6.15	3 10	6 56	6.25	6.00	6.05	1.65
Zr	3,70	0	0	500	0	0	0	2,50	۱ ‰	0	0	1 0	0	0	×	×	0	0	×	0	×	0	0	0	0	×
Mu+Ca+S	15 65	23.95	24 30	24 15	24.30	24.45	24.50	23.40	23 35	25.85	27 60	33.70	27.15	22 45	19.05	18.80	23 60	19.45	19.20	23.30	21.35	24.99	32 60	22.85	31 45	19.20
r+Ba+Zn	_ ×	0	O.	0	C	Ö	, o	0	0	Ç	C	O	.0	0	×	×	0	× ×	× *	0	0	307	0.00	300	300	4,50
Na	0.70	3.15	0.00	12.10	0.00	3.00	2.30	2.90	3.10	3.10	2 90	3.00 ×	590	300	4.45 ×	3 00	3 00	3 00	4,50 ×	3 10	3.15 ×	30,	, v.	× ×	× ×	× ×
	0 00	0.00	0.00	0.00	0.00	5.10	0 00	0.00	0.00	0 00	000	000	000	000	0.00	000	000	0.00	0.00	000	0.00	0.00	0.00	0.00	0.00	0.00
Al	1 000	U.00	× ×	0.00	, 000	0	× ×) U.O.	, U.UU	× ×	× ×	× ×	× ×	×	×	× ***	×	×	×		×	×	_ ×	×	×	×
				 	1 200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Companion of cited reference and CIP Amended Claim and Additional Claims																										
	38 00	38 15	30.70	34 80	43.25	33.05	38 50	38 80	37 25	38 30	36 20	37 60	37.50	36 75	36.35	39.75	36.70	37.60	38.35	38 70	39,10	37.56	40.05	33.75	35 05	38.35
Si+B+P	×	×	0	Ö	×	Ó	×	×	×	×	×	×	×	×	×	×	. *	× .	_×	_ ×	×	×	× .	0	×	×
	34 80	18 60	21 60	24 00	25 55	22 80	21 60	29.50	25 80	25 80	25 00	26 00	26 15	25 40	28.60	28.25	25 50	26 00	24.00	26 45	25.45	18 50	26,30	21.10	23 65	24.00
S.	×	*	*****	×	· · · · · ·	×	×	×	×	*	×	×	×	×	×	×		×	×	×	×	×	×		×	<u>×</u> _
Ti+La+Z++N	37 08	28 80	2785	28 95	23.30	28 35	28 95	29.10	30 05	26 55	2750	22 80	24 95	22.30	33,45	32.50	27 75	34 00	32.60	27.15	20 95	29 00	25.05	28 05	24 45	32.70
b-14-W-Y	×	×	× 1	×	×	×		×	×	×	×	×	×	×	×	×	×	×	. *	×	Х.	×	×	×	×	×
	7.80	8 15	9.00	8 70	8.90	7.80	7 95	6.35	8.05	7 95	7 50	10 20	7.60	7,15	7.90	8.70	3 95	9.75	10.55	12.90	11,10	7.92	5.10	7.75	6.30	9,00
1.	×	×	×	×	×	×	×	×	×	×	×	×	×	. ж	×	×	×	×	×	×	×	×	×	_ ×	×	×
	5.70	6.30	5.55	6 00	6 90	6.00	6 15	2 90	7 00	6.10	5.80	600	5 90	5 80	4.40	3.70	7.60	6.00	0.00	6.15	3 10	6 56	6.25	6.00	6.05	1,65
Zr	0	0	0	0	0	0	0	×	_ O	0	0	0	0	0	×	×		0	×	0	×	0	0	. 0	0	×
Mu+Ca+S	15 65	23.95	2430	24 15	24.30	24.45	24.50	23.40	23 35	25.85	27 60	33.70	27.15	22 45	19,05	18.80	23 60	19.45	19.20	23.30	21.35	24.99	32,60	22.85	31.45	19.20
r+Ba+Zn	×	0	Ö	- O	C	0	0	Ö	0	Ç	C	O	င	0	×	×	0	×	×	0	0		0_	_0_	. 0	×
	0.70	3.15	000	12.10	0.00	3.00	2.30	2.90	3.10	3.10	2 90	3.00	5 90	3 00	4.45	3 00	300	3 00	4,50	3 10	3.15	307	0.00	3 00	3 00	4,50
Na	*	×	×	×	×		×	×	×	. *		×	_ ×	×	Χ	×	×	×	×	×	×	×	×	×	_ ×	×
	0.00	0.00	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A)		×	×			0	× .	×	*	×	×	×	_×	×	× _	_ ×	_ ×	×		. ×	×	×	×	X	. ×	×
	000	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0 00	0.00	0.00	0.00	9,60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pb !		×	×	×		× 1	×	×	×	×	×	×	×		×	×	Χ	×	×	×	×	<u>*</u>	×		. ×	×
	2 07	1 15	000	0.00	9.15	1,45	110	1.40	1.50	1.50	140	2.90	0.00	1.40	0.00	1.45	1.45	1.45	0.70	0.75	1,50	2.22	2.30	1.45	1,45	0.70
L-20	× .	O.	C	0	0	l ò	o	l à .	၁	O.	2_		l Q	L.Q.	0	_0_	0	0	0	0	<u> </u>	×	. ×	0	O	0
	3 75	6.20	545	5 85	5.00	5.95	6.50	0 00	14 25	0.50	5.70	5 90	385	5 80	3.85	3.90	5.95	4.40	2.90	6 00	7.15	6,99	6.15	5.90	6 95	2.90
MgO	6	0	lο	l o	Lö	0	0		0		0	1 0_	L 5	0	0	0		0	<u> </u>	0	<u> </u>	<u> </u>		_0_	0	0

Comparison of cited reference and CIP Amended Claim-Tand Additional Claim31																										
SI-B-P	38 00	38 15	30 70	34 80	43,25	33,05	38 50	38 80	37 25	38 30	36 20	37 60	37 50	36 75	36.35	39 75	36.70	37.60	38.35	38.70	39.10	37.56 ×	40 05	33.75 O	35.05	J8.35
H	34 80	18 60	2160	24 00	25 55	22.80	21.60	29 50	25 80	25 80	25 00	26 00	26.15	25.40	28.50	28.25	25.50	26 00	24.00	26.45	25 45	18 60	26.30	21.10	23 65	24.00
S ₁		×	×	×	×	×	×		×		× .	×	×	×	_ ×	×	×	-×-	×	12.90	11.10	7.92	5.10	7.75	6.30	8.00
T,	7.80	8 15	9 00	8.70	8 90	7.80	7.95	6.35	8 05	7.95	7.50	10.20	7.60	7.15	7 90	8,70	3.95	9 75	10 55	12.90	X X	7.92 ×	3,10 X	/./3 ×	× ×	×
	5 70	6.30	5.55	6.00	6.90	6.00	6 15	2.90	7.00	6,10	5 80	6.00	5.90	5 80	4 40	3.70	7 60	6 00	0.00	6.15	3,10	6.56	6.25	6.00	6.05	1,65
Zr	3/0	6.30	9.33	0.00	0.50	0.00	0	7.50 ×	Ö	0	5	Ö	Ö	Ö	×	×	0	0	×	Q	×	. 0	. 0	0	0	×
Mg-Ca+S	15.65	23 95	2430	24.15	24 30	24 45	24 50	23.40	23 35	25 85	27 60	33 70	27 15	22 45	19.05	18.80	23 60	19.45	19.20	23.30	21.35	24.99	32 60	22.85	31.45	19.20
r+B4+2n	× '	0	Ç	9.	c	0	C			\sim	0	С	<u> </u>	<u> </u>		×	0	- ×	×	1085	9.4	7 62		- -	9 05	9.75
Li+Na+K	9 27	91	17.15	12.1	9.15	9 05	8 05	8.7	9.35 ×	93	8.7	5.9	10.4	89	11,15 ×	8.95 ×	8.95 ×	8.95 ×	9.75	1085	9,4 X	/ DZ	2,3	×	3 U3	9.75 ×
	0.70	3.15	000	12,10	000	300	2 30	2.90	3 10	3 10	2.90	3 00	5.90	300	4.45	3.00	3 00	3 00	4.50	3 10	3.15	3 0 7	0.00	3 00	300	4,50
Na	9.70	3.13 ×	× ×	12.10	, ,	x		*	×	*		×		×	×	×	_×_	×	.×	×	×	_ ×	×	×	×	×
At	0 00	0.00	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00	000	0.00	0.00	0 00	0 00	0.00	0.00	000	0.00	000	0 00	0.00	0.00	0.00	000	0.00
	×	×	×	×	. ×	_0_	×	_ <u>*</u>	×	×	×	× ×		9.60	000	0.00	0.00	000	0.00	000	0.00	0.00	0.00	0.00	000	0.00
Pb	0.00	0.00	0.00	0 00	000	000	0 00	0.00	0,00	000	000	0.00	000	3.50	,	× 0.00	× ×	× ×	×.	×	× 1	×	×	×	×	×
	2 07	L.*	0.00	0.00	9.15	145	1.10	1.40	1.50	1.50	1,40	2.90	0.00	1,40	0.00	1.45	1.45	1.45	0.70	0.75	1.50	2.22	2.30	1.45	1.45	0.70
Li20	2,07 ×	1.15	000	000	0	ا أ	1 8	5	ا ا	0	ا ت	×	0	Ö	o	Ö	0	0	Ö	0	0	, ×	×	O_	. 0	<u> </u>
MgO	375	6.20	5 4 5	5 85	5.00	595	6,50	0 00	14 25	0 50	5.70	5.90	3.85	5.80	3.85	3.90	5.95	4.40	2,90	6.00	7.15	6.99	6.15	5.90	6.95	2,90
wito	ာ	0)		<u> </u>	0	<u>.</u>	×	- C	_ ×	L. ()			<u> </u>	<u> </u>						<u> </u>					

375 620 545 585 500 595 650 000 1425 050 5.70 5.90 385 5
375 6.20 545 585 5.00 595 6.50 000 14.25 050 5.70 5.90 385 5
on of cited reference and CIP Amended Claim-17
38 00 38 15 30 70 34 80 43 25 33 05 38 50 38 80 37 25 38 30 36 20 37 50 36 37 50 36
X X Q Q X Q X Q X X
34 80 18 60 21 60 24 00 25 55 22 80 21 60 29 50 25 80 25 80 25 00 26 00 26 15 25
37 08 28 80 27 85 28 95 23 30 28 35 28 95 29 10 30 05 26 55 27 50 22 80 24 95 22
37 08 28 80 27 85 28 95 23 30 28 35 28 95 29 10 30 05 26 55 27 50 22 80 24 95 22
780 815 900 870 890 780 795 635 805 795 7.50 1020 7.60 7
7,80 8.15 9.00 8.70 8.90 7.80 7.95 6.35 8.05 7.95 7.50 10.20 7.60 7
× × × × × × × × × × × × × × × × × × ×
15.65 23.95 24.30 24.15 24.30 24.45 24.50 23.40 23.35 25.85 27.60 33.70 27.15 22
[* []
927 91 17.15 12.1 9.15 905 805 87 9.35 93 87 59 104 8
927 91 17.15 12.1 9.15 905 805 87 9.35 93 87 39 104 0
927 91 17.15 12.1 9.15 905 805 87 9.35 93 8.7 59 104 6
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Comparis	an a	of cite	ed refe	ence e	nd CIP	Amende	d Claim	-23														20.10	22.56	70.05	1 40 30	OF OF	30.00
$\overline{}$	1 70	1 00 5	38 15	30.70	34 80	43 25	33 05	38 50	38 60	3725	38 30	36 20	37 60	37 50	36.75	36 35	39.75	36.70	37.60	38 35	38,70	39.10	37.56	40 05	33.75	35 05	38.35
Si+B+P	1	****	×	· · · · · ·	- O	×	0	×	×	× .	×	×	×	×	×	×	×	× .	×	×	<u> </u>	_×	. ×	×			24 00
	172	80	18 60	21 60	24 00	25.55	22.80	21 60	29.50	25 80	25 80	25 00	26 00	26.15	25.40	28,60	28 25	25.50	25 00	24.00	26.45	25 45	18 60	26.30	21.10	23.65	. 24.00
Si	1.43	· · · · ·	× ×	× ×	****	× 1	×	×	.×_	×	*	×	×	×	×		×	_ ×	×	×	×	ж.	×	×	*		
TielasZest	1 27	7 08	28 80	27 RS	28.95	23.30	28 35	28 95	29.10	30 05	26 55	2750	22.80	24 95	22 30	33 45	32.50	27.75	34 00	32.60	27,15	20 95	29 00	25 05	28.05	24.45	32.70
B+T+-W+Y		''''' †		-A1,04		× ×	×	× ×	× ×	× ×	× ×	×	×	×	×	*		×	×	×	×	×	×	_ × '	_ ×		_ *
8-18-4-1		7.BO	8,15	9 00	8.70	8 90	7.80	7.95	6.35	8.05	7.95	7.50	10.20	7,60	7.15	7,90	8,70	3.95	9.75	10.55	12.90	11.10	7.92	5.10	7.75	6.30	9.00
Ti	ľ		0.13	3.00	1 5.70	1 7.	¥		*	×	*		×	×	×	×	, ×.	×	×	×	×	×	×	×	×	×	×
l		~ +		2.00	24 15	24,30	24 45	24.50	27.40	22.75	25.85	2760	33 70	27 15	22 45	19.05	18.80	23 60	19.45	19.20	23.30	21.35	24 99	32.60	22.85	31.45	19.20
Mg+Ca+S		5 65	23,95	24.30		-4-32		******		-44.			~~~	~~	- O	× ×	×	1-o-	×	×	0	Q	Q	0	0	0	×
r+Ba+2n		<u>* 1</u>			12.1	9 15	9.05	8.05	8.7	9.35	9.3		5.9	10.4	8.9	11.15	8.95	8.95	8 95	9.75	10.85	9.4	7.62	2.3	9	9 05	9.75
Li+Na+K	į 9.	27	9.1	17.15	12.1	9.13	303	8.03	6.7	9.33	9.3	l "."	3.0	,,,,,	""		*	× .	× .	×	×	×	×	0	× '	×	×
	1	ب		×	×.		100	× 20	290	310	3 10	2.90	300	5 90	300	445	3.00	3.00	300	4.50	3,10	3.15	3 07	0.00	300	3.00	4,50
Na.		0.70	3.15	0 00	1210	000	300	2.30	2.50	3.10	3.10	2.90	300	3.50	1	1	1	× ×	×	, a	×	×			× 1	×	, x
	1_	×	х_	×_		_ <u>*</u> -	×	×				 ***	11.00	8.70	14.70	15.20	14.90	16.65	15.05	15.30	15 30	14 20	15 98	21.35	1500	24 50	16.30
Ca	11	1.90	15.70	17,00	16 30	14.90	16.50	16.00	19.80	7 05	24.75	7.90	11,00	1 %	17.70	1 2.20	ا ت ^ي	1.0	10	0	0	Ö	0	Ö	0	0	0
	Ŀ	١.	\mathcal{F}	<u> :</u>	ι.	<u> </u>	پ	<u> </u>	C.	<u> </u>	<u> </u>	/		<u> </u>			<u> </u>		<u> </u>								